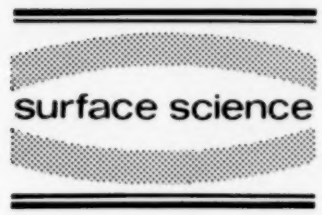
Surface Science 282 (1993) 411–415
North-Holland



Author index

Agostino, R.G., see Caputi	282 (1993)	62
Alleno, E., see Dubot	282 (1993)	1
Amoddeo, A., see Caputi	282 (1993)	62
Andrews, A.B., see Smith	282 (1993)	L359
Atrei, A., see Bardi	282 (1993)	L365
Ban, T., see Sugai	282 (1993)	67
Bardi, U., A. Atrei, B. Cortigiani, G. Rovida and M. Torrini, X-ray photoelectron diffraction study of an oxidized Pt–Co(001) alloy surface: evidence for atomic scale rippling of the CoO overlayer	282 (1993)	L365
Barthés-Labrousse, M.-G., see Dubot	282 (1993)	1
Bellman, A.F., D. Cvetko, A. Morgante, M. Polli, F. Tommasini, V.R. Dhanak, A. Lausi, K.C. Prince, R. Rosei, P. Cortona and M.G. Dondi, He scattering from Rh(110)	282 (1993)	273
Bent, B.E., see Su	282 (1993)	357
Binns, C., see Dubot	282 (1993)	1
Bock, W., H. Gnaser and H. Oechsner, Modification of crystalline semiconductor surfaces by low-energy Ar^+ bombardment: Si(111) and Ge(100)	282 (1993)	333
Bonzel, H.P., see Sieben	282 (1993)	246
Boyd, K.J., see Marton	282 (1993)	113
Brundle, C.R., see Saiki	282 (1993)	33
Caputi, L.S., R.G. Agostino, A. Amoddeo, E. Colavita and A. Santaniello, X-ray photoelectron diffraction study of CO- and NO-saturated Ni(111)	282 (1993)	62
Chavy, C., see Girard	282 (1993)	400
Chen, C.-T., see Smith	282 (1993)	L359
Colavita, E., see Caputi	282 (1993)	62
Corà, F., see Pisani	282 (1993)	185
Cortigiani, B., see Bardi	282 (1993)	L365
Cortona, P., see Bellman	282 (1993)	273
Cvetko, D., see Bellman	282 (1993)	273
Dai, Z.-G., see Su	282 (1993)	357
Dhanak, V.R., see Bellman	282 (1993)	273
Doña, J.M. and J. González-Velasco, Erratum to "The dependence of the surface diffusion coefficients of gold atoms on the potential: its influence on reconstruction of metal lattices" [Surface Science 274 (1992) 205]	282 (1993)	202
Dondi, M.G., see Bellman	282 (1993)	273
Dubot, P., E. Alleno, M.-G. Barthés-Labrousse, C. Binns, C. Nicklin, C. Norris and D. Ravot, Electronic properties of low-dimensional Sm films adsorbed on Cr(211) and Cr(110)	282 (1993)	1
Fadley, C.S., see Saiki	282 (1993)	33
Fan, J. and M. Trenary, The influence of coadsorbates on the overlayer structure of PF_3 on Pt(111)	282 (1993)	76

Elsevier Science Publishers B.V.

Feibelman, P.J., Perturbation of surface plasmon dispersion by "extra" electrons near a surface 282 (1993) 129
Friedman, D.J., see Saiki 282 (1993) 33
Fujiwara, T., see Itoh 282 (1993) 122
Fukuhara, N., see Kittaka 282 (1993) 255

Girard, C., C. Joachim, C. Chavy and P. Sautet, The electric field under a STM tip apex: implications for adsorbate manipulation 282 (1993) 400
Girardet, C. and P.N.M. Hoang, Dynamics of a frustrated rare gas monolayer adsorbed on a corrugated substrate: resonance and hybridization of the dispersion curves of Ar on MgO(100) 282 (1993) 288
Gnaser, H., see Bock 282 (1993) 333
González-Velasco, J., see Doña 282 (1993) 202
Goodman, D.W., see Xu 282 (1993) 323
Gorse, D., see Serruys 282 (1993) 279
Gruen, D.M., see Whitten 282 (1993) 97

Hamza, A.V., see Schildbach 282 (1993) 306
Hansali, G., see Le Bossé 282 (1993) 389
Hansson, T. and L. Holmlid, Velocity distribution of Cs atoms emitted from a hot graphite-covered Ir surface after diffusion through the Ir bulk 282 (1993) L370
Harder, R., see Rechtien 282 (1993) 137
Hashizume, H., see Niwa 282 (1993) 342
Hellsing, B., Direct mechanism for photoinduced desorption and dissociation of O_2 on Pt(111) 282 (1993) 216
Herrmann, G., see Rechtien 282 (1993) 137
Hoang, P.N.M., see Girardet 282 (1993) 288
Holmlid, L., see Hansson 282 (1993) L370

Ignatiev, A., see Mesarwi 282 (1993) 371
Itoh, S. and T. Fujiwara, Surface electronic structures of refractory-metal disilicides 282 (1993) 122

Joachim, C., see Girard 282 (1993) 400
Jones, P.L., see Whitten 282 (1993) 97

Kaduwela, A.P., see Saiki 282 (1993) 33
Kato, H., see Kittaka 282 (1993) 255
Kawasaki, K., see Sugai 282 (1993) 67
Kioka, T., see Sugai 282 (1993) 67
Kittaka, S., T. Sasaki, N. Fukuhara and H. Kato, Fourier transform infrared spectroscopy of H_2O molecules on the Cr_2O_3 surface 282 (1993) 255

Lambert, R.M., see Wytenburg 282 (1993) 205
Lausi, A., see Bellman 282 (1993) 273
Le Bossé, J.C., G. Hansali, J. Lopez, G. Wiatrowski and I. Zasada, Site occupancy pair correlation functions and structure factors of partially ordered overlayers. II. Application to O/Ni(100) 282 (1993) 389
Li, H. and S.Y. Tong, Imaging atoms in surface dimers of GaAs(001)-c(2×8)/(2×4) by electron-emission holography 282 (1993) 380
Lopez, J., see Le Bossé 282 (1993) 389
Lytle, T.E., see Marton 282 (1993) 113

Marton, D., K.J. Boyd, T.E. Lytle and J.W. Rabalais, Auger electron spectroscopy of krypton subplanted in graphite 282 (1993) 113
Mesarwi, A. and A. Ignatiev, Interaction of Y overlayers with the GaAs(100) surface and oxidation of the Y/GaAs interface 282 (1993) 371
Miki, H., see Sugai 282 (1993) 67
Morgante, A., see Bellman 282 (1993) 273

Nada, R., see Pisani 282 (1993) 185
Nagayoshi, H., Theoretical study of the electronic structure of the Si(111)-$\sqrt{3} \times \sqrt{3}$:Sb surface 282 (1993) 163
Nakahata, T., see Niwa 282 (1993) 342
Nakatani, S., see Takahashi 282 (1993) 17
Nesbitt, A., see Rechtien 282 (1993) 137
Nicklin, C., see Dubot 282 (1993) 1
Niwa, T., M. Sugiyama, T. Nakahata, O. Sakata and H. Hashizume, Structure of fluoride/GaAs(111) heteroepitaxial interfaces 282 (1993) 342
Norris, C., see Dubot 282 (1993) 1

Oechsner, H., see Bock 282 (1993) 333
Orlando, R., see Pisani 282 (1993) 185
Ormerod, R.M., see Wytenburg 282 (1993) 205
Osterwalder, J., see Saiki 282 (1993) 33

Pápai, I., J. Ushio and D.R. Salahub, Chemisorption of formate and acetate on cluster models of Rh and bimetallic RhSn clusters 282 (1993) 262
Pellin, M.J., see Whitten 282 (1993) 97
Persaud, R. and R.H. Prince, An inverse photoemission study of CO overlayers on Ru(0001) 282 (1993) 91
Pisani, C., F. Corà, R. Orlando and R. Nada, Ab-initio perturbed-cluster study of carbon monoxide adsorption at a stepped LiF(001) surface 282 (1993) 185
Polli, M., see Bellman 282 (1993) 273
Prince, K.C., see Bellman 282 (1993) 273
Prince, R.H., see Persaud 282 (1993) 91

Rabalais, J.W., see Marton 282 (1993) 113
Ravot, D., see Dubot 282 (1993) 1
Rechtien, J.-H., R. Harder, G. Herrmann, A. Nesbitt, K. Tellioglu and K.J. Snowdon, Direct measurement of the energy release and final molecular axis orientation in dissociative molecular scattering at surfaces 282 (1993) 137
Rosei, R., see Bellman 282 (1993) 273
Rovida, G., see Bardi 282 (1993) L365

Sagurton, M., see Saiki 282 (1993) 33
Saiki, R.S., A.P. Kaduwela, M. Sagurton, J. Osterwalder, D.J. Friedman, C.S. Fadley and C.R. Brundle, X-ray photoelectron diffraction and low-energy electron diffraction study of the interaction of oxygen with the Ni(001) surface: c(2 × 2) to saturated oxide 282 (1993) 33
Sakata, O., see Niwa 282 (1993) 342
Sakout, T., see Serruys 282 (1993) 279
Salahub, D.R., see Pápai 282 (1993) 262
Santaniello, A., see Caputi 282 (1993) 62
Sasaki, T., see Kittaka 282 (1993) 255
Sautet, P., see Girard 282 (1993) 400

Schildbach, M.A. and A.V. Hamza, Clean and water-covered sapphire ($1\bar{1}02$) surfaces: structure and laser-induced desorption 282 (1993) 306
Serruys, Y., T. Sakout and D. Gorse, Anodic oxidation of titanium in 1M H_2SO_4, studied by Rutherford backscattering 282 (1993) 279
Sieben, B. and H.P. Bonzel, Adsorption of H_2 and CO on Mn/Fe(110) surfaces 282 (1993) 246
Smith, N.V., G.K. Wertheim, A.B. Andrews and C.-T. Chen, Inelastic electron mean free paths in the alkali metals: effect of the empty d bands 282 (1993) L359
Smith, P.V., see Zheng 282 (1993) 173
Snowdon, K.J., see Rechtien 282 (1993) 137
Su, C., M. Xi, Z.-G. Dai, M.F. Vernon and B.E. Bent, Dry etching of GaAs with Cl_2: correlation between the surface Cl coverage and the etching rate at steady state 282 (1993) 357
Sugai, S., K. Takeuchi, T. Ban, H. Miki, K. Kawasaki and T. Kioka, Adsorption and dissociation of NO on Pt(100) and (310) studied by AES, UPS and XPS 282 (1993) 67
Sugiyama, M., see Niwa 282 (1993) 342
Surnev, S., Interaction of oxygen with a Ge-covered Si(100) surface 282 (1993) 10

Takahashi, T. and S. Nakatani, Refinement of the Si(111)$\sqrt{3} \times \sqrt{3}$–Ag structure by surface X-ray diffraction 282 (1993) 17
Takeuchi, K., see Sugai 282 (1993) 67
Tellioglu, K., see Rechtien 282 (1993) 137
Thiel, P.A., see Wang 282 (1993) 229
Thomassen, J., see Wuttig 282 (1993) 237
Tommasini, F., see Bellman 282 (1993) 273
Tong, S.Y., see Li 282 (1993) 380
Torrini, M., see Bardi 282 (1993) L365
Trenary, M., see Fan 282 (1993) 76
Tringides, M.C., see Wang 282 (1993) 229
Tsukada, M., see Uchiyama 282 (1993) 152

Uchiyama, T. and M. Tsukada, Step-induced state of a Si(001) reconstructed surface 282 (1993) 152
Ushio, J., see Pápai 282 (1993) 262

Vernon, M.F., see Su 282 (1993) 357

Wang, W.-D., N.J. Wu, P.A. Thiel and M.C. Tringides, Epitaxial growth in a strained system: Ni(100)–O(7×7) 282 (1993) 229
Wertheim, G.K., see Smith 282 (1993) L359
Whitten, J.E., C.E. Young, M.J. Pellin, D.M. Gruen and P.L. Jones, Direct detection of a metal desorption channel: electron-stimulated desorption of aluminum from methanol-dosed Al(111) 282 (1993) 97
Wiatrowski, G., see Le Bossé 282 (1993) 389
Wu, N.J., see Wang 282 (1993) 229
Wuttig, M. and J. Thomassen, Structure determination for Fe films on Cu(100) 282 (1993) 237
Wytenburg, W.J., R.M. Ormerod and R.M. Lambert, Growth and stability of ultra-thin aluminium films on Ag(110) and Ag(111) 282 (1993) 205

Xi, M., see Su 282 (1993) 357
Xu, X. and D.W. Goodman, The preparation and characterization of ultra-thin silicon dioxide films on a Mo(110) surface 282 (1993) 323

Yakovkin, I.N., Monte Carlo simulation of order–disorder transitions in linear structures of alkali and alkaline earth adsorbates 282 (1993) 195
Young, C.E., see Whitten 282 (1993) 97

Zasada, I., see Le Bossé 282 (1993) 389
Zheng, X.M. and P.V. Smith, Hydrogen chemisorption on the Si(111) surface 282 (1993) 173

Surface Science 282 (1993) 416–425
North-Holland

surface science

Subject index

Adsorption isotherms, see also Chemisorption theory
S. Kittaka, T. Sasaki, N. Fukuhara and H. Kato, Fourier transform infrared spectroscopy of H_2O molecules on the Cr_2O_3 surface 282 (1993) 255

Alkali halides
C. Pisani, F. Corà, R. Orlando and R. Nada, Ab-initio perturbed-cluster study of carbon monoxide adsorption at a stepped LiF(001) surface 282 (1993) 185

Alkali metals
N.V. Smith, G.K. Wertheim, A.B. Andrews and C.-T. Chen, Inelastic electron mean free paths in the alkali metals: effect of the empty d bands 282 (1993) L359
I.N. Yakovkin, Monte Carlo simulation of order–disorder transitions in linear structures of alkali and alkaline earth adsorbates 282 (1993) 195

Alloys
U. Bardi, A. Atrei, B. Cortigiani, G. Rovida and M. Torrini, X-ray photoelectron diffraction study of an oxidized Pt–Co(001) alloy surface: evidence for atomic scale rippling of the CoO overlayer 282 (1993) L365

Aluminium
J.E. Whitten, C.E. Young, M.J. Pellin, D.M. Gruen and P.L. Jones, Direct detection of a metal desorption channel: electron-stimulated desorption of aluminum from methanol-dosed Al(111) 282 (1993) 97
W.J. Wytenburg, R.M. Ormerod and R.M. Lambert, Growth and stability of ultra-thin aluminium films on Ag(110) and Ag(111) 282 (1993) 205

Aluminium oxide
T. Hansson and L. Holmlid, Velocity distribution of Cs atoms emitted from a hot graphite-covered Ir surface after diffusion through the Ir bulk 282 (1993) L370
M.A. Schildbach and A.V. Hamza, Clean and water-covered sapphire ($1\bar{1}02$) surfaces: structure and laser-induced desorption 282 (1993) 306

Ammonia
J. Fan and M. Trenary, The influence of coadsorbates on the overlayer structure of PF_3 on Pt(111) 282 (1993) 76

Atomic and molecular beam studies
J.-H. Rechtien, R. Harder, G. Herrmann, A. Nesbitt, K. Tellioglu and K.J. Snowdon, Direct measurement of the energy release and final molecular axis orientation in dissociative molecular scattering at surfaces 282 (1993) 137
A.F. Bellman, D. Cvetko, A. Morgante, M. Polli, F. Tommasini, V.R. Dhanak, A. Lausi, K.C. Prince, R. Rosei, P. Cortona and M.G. Dondi, He scattering from Rh(110) 282 (1993) 273

Elsevier Science Publishers B.V.

C. Su, M. Xi, Z.-G. Dai, M.F. Vernon and B.E. Bent, Dry etching of GaAs with Cl_2: correlation between the surface Cl coverage and the etching rate at steady state 282 (1993) 357

Auger electron spectroscopy

S. Surnev, Interaction of oxygen with a Ge-covered Si(100) surface 282 (1993) 10
S. Sugai, K. Takeuchi, T. Ban, H. Miki, K. Kawasaki and T. Kioka, Adsorption and dissociation of NO on Pt(100) and (310) studied by AES, UPS and XPS 282 (1993) 67
D. Marton, K.J. Boyd, T.E. Lytle and J.W. Rabalais, Auger electron spectroscopy of krypton subplanted in graphite 282 (1993) 113
W.J. Wytenburg, R.M. Ormerod and R.M. Lambert, Growth and stability of ultra-thin aluminium films on Ag(110) and Ag(111) 282 (1993) 205
X. Xu and D.W. Goodman, The preparation and characterization of ultra-thin silicon dioxide films on a Mo(110) surface 282 (1993) 323
A. Mesarwi and A. Ignatiev, Interaction of Y overlayers with the GaAs(100) surface and oxidation of the Y/GaAs interface 282 (1993) 371

Band structure

T. Uchiyama and M. Tsukada, Step-induced state of a Si(001) reconstructed surface 282 (1993) 152
H. Nagayoshi, Theoretical study of the electronic structure of the Si(111)-$\sqrt{3} \times \sqrt{3}$: Sb surface 282 (1993) 163
C. Girardet and P.N.M. Hoang, Dynamics of a frustrated rare gas monolayer adsorbed on a corrugated substrate: resonance and hybridization of the dispersion curves of Ar on MgO(100) 282 (1993) 288

Carbon monoxide

L.S. Caputi, R.G. Agostino, A. Amoddeo, E. Colavita and A. Santaniello, X-ray photoelectron diffraction study of CO- and NO-saturated Ni(111) 282 (1993) 62
J. Fan and M. Trenary, The influence of coadsorbates on the overlayer structure of PF_3 on Pt(111) 282 (1993) 76
R. Persaud and R.H. Prince, An inverse photoemission study of CO overlayers on Ru(0001) 282 (1993) 91
C. Pisani, F. Corà, R. Orlando and R. Nada, Ab-initio perturbed-cluster study of carbon monoxide adsorption at a stepped LiF(001) surface 282 (1993) 185
B. Sieben and H.P. Bonzel, Adsorption of H_2 and CO on Mn/Fe(110) surfaces 282 (1993) 246

Chemisorption theory

X.M. Zheng and P.V. Smith, Hydrogen chemisorption on the Si(111) surface 282 (1993) 173
C. Pisani, F. Corà, R. Orlando and R. Nada, Ab-initio perturbed-cluster study of carbon monoxide adsorption at a stepped LiF(001) surface 282 (1993) 185
I. Pápai, J. Ushio and D.R. Salahub, Chemisorption of formate and acetate on cluster models of Rh and bimetallic RhSn clusters 282 (1993) 262

Chromium

P. Dubot, E. Alleno, M.-G. Barthés-Labrousse, C. Binns, C. Nicklin, C. Norris and D. Ravot, Electronic properties of low-dimensional Sm films adsorbed on Cr(211) and Cr(110) 282 (1993) 1

Clusters

I. Pápai, J. Ushio and D.R. Salahub, Chemisorption of formate and acetate on cluster models of Rh and bimetallic RhSn clusters 282 (1993) 262

Cobalt
U. Bardi, A. Atrei, B. Cortigiani, G. Rovida and M. Torrini, X-ray photoelectron diffraction study of an oxidized Pt–Co(001) alloy surface: evidence for atomic scale rippling of the CoO overlayer 282 (1993) L365

Copper
M. Wuttig and J. Thomassen, Structure determination for Fe films on Cu(100) 282 (1993) 237

Diffusion
T. Hansson and L. Holmlid, Velocity distribution of Cs atoms emitted from a hot graphite-covered Ir surface after diffusion through the Ir bulk 282 (1993) L370

Electron diffraction, see also Low energy electron diffraction
R.S. Saiki, A.P. Kaduwela, M. Sagurton, J. Osterwalder, D.J. Friedman, C.S. Fadley and C.R. Brundle, X-ray photoelectron diffraction and low-energy electron diffraction study of the interaction of oxygen with the Ni(001) surface: c(2 × 2) to saturated oxide 282 (1993) 33
L.S. Caputi, R.G. Agostino, A. Amoddeo, E. Colavita and A. Santaniello, X-ray photoelectron diffraction study of CO- and NO-saturated Ni(111) 282 (1993) 62
H. Li and S.Y. Tong, Imaging atoms in surface dimers of GaAs(001)-c(2 × 8)/(2 × 4) by electron-emission holography 282 (1993) 380

Electron energy loss spectroscopy
P. Dubot, E. Alleno, M.-G. Barthés-Labrousse, C. Binns, C. Nicklin, C. Norris and D. Ravot, Electronic properties of low-dimensional Sm films adsorbed on Cr(211) and Cr(110) 282 (1993) 1
S. Surnev, Interaction of oxygen with a Ge-covered Si(100) surface 282 (1993) 10
M.A. Schildbach and A.V. Hamza, Clean and water-covered sapphire ($1\bar{1}02$) surfaces: structure and laser-induced desorption 282 (1993) 306
X. Xu and D.W. Goodman, The preparation and characterization of ultra-thin silicon dioxide films on a Mo(110) surface 282 (1993) 323
W. Bock, H. Gnaser and H. Oechsner, Modification of crystalline semiconductor surfaces by low-energy Ar^+ bombardment: Si(111) and Ge(100) 282 (1993) 333

Electron scattering
N.V. Smith, G.K. Wertheim, A.B. Andrews and C.-T. Chen, Inelastic electron mean free paths in the alkali metals: effect of the empty d bands 282 (1993) L359

Electron stimulated desorption
J.E. Whitten, C.E. Young, M.J. Pellin, D.M. Gruen and P.L. Jones, Direct detection of a metal desorption channel: electron-stimulated desorption of aluminum from methanol-dosed Al(111) 282 (1993) 97
M.A. Schildbach and A.V. Hamza, Clean and water-covered sapphire ($1\bar{1}02$) surfaces: structure and laser-induced desorption 282 (1993) 306

Epitaxy
W.-D. Wang, N.J. Wu, P.A. Thiel and M.C. Tringides, Epitaxial growth in a strained system: Ni(100)–O(7 × 7) 282 (1993) 229

Etching
C. Su, M. Xi, Z.-G. Dai, M.F. Vernon and B.E. Bent, Dry etching of GaAs with Cl_2: correlation between the surface Cl coverage and the etching rate at steady state 282 (1993) 357

Gallium arsenide
T. Niwa, M. Sugiyama, T. Nakahata, O. Sakata and H. Hashizume, Structure of fluoride/GaAs(111) heteroepitaxial interfaces 282 (1993) 342
C. Su, M. Xi, Z.-G. Dai, M.F. Vernon and B.E. Bent, Dry etching of GaAs with Cl_2: correlation between the surface Cl coverage and the etching rate at steady state 282 (1993) 357
A. Mesarwi and A. Ignatiev, Interaction of Y overlayers with the GaAs(100) surface and oxidation of the Y/GaAs interface 282 (1993) 371
H. Li and S.Y. Tong, Imaging atoms in surface dimers of GaAs(001)-c(2×8)/(2×4) by electron-emission holography 282 (1993) 380

Germanium
S. Surnev, Interaction of oxygen with a Ge-covered Si(100) surface 282 (1993) 10
W. Bock, H. Gnaser and H. Oechsner, Modification of crystalline semiconductor surfaces by low-energy Ar^+ bombardment: Si(111) and Ge(100) 282 (1993) 333

Gold
J.M. Doña and J. González-Velasco, Erratum to "The dependence of the surface diffusion coefficients of gold atoms on the potential: its influence on reconstruction of metal lattices" [Surface Science 274 (1992) 205] 282 (1993) 202

Graphite
D. Marton, K.J. Boyd, T.E. Lytle and J.W. Rabalais, Auger electron spectroscopy of krypton subplanted in graphite 282 (1993) 113

Halides
T. Niwa, M. Sugiyama, T. Nakahata, O. Sakata and H. Hashizume, Structure of fluoride/GaAs(111) heteroepitaxial interfaces 282 (1993) 342

Halogens
C. Su, M. Xi, Z.-G. Dai, M.F. Vernon and B.E. Bent, Dry etching of GaAs with Cl_2: correlation between the surface Cl coverage and the etching rate at steady state 282 (1993) 357

Hydrogen
X.M. Zheng and P.V. Smith, Hydrogen chemisorption on the Si(111) surface 282 (1993) 173
B. Sieben and H.P. Bonzel, Adsorption of H_2 and CO on Mn/Fe(110) surfaces 282 (1993) 246

Infrared spectroscopy
J. Fan and M. Trenary, The influence of coadsorbates on the overlayer structure of PF_3 on Pt(111) 282 (1993) 76
S. Kittaka, T. Sasaki, N. Fukuhara and H. Kato, Fourier transform infrared spectroscopy of H_2O molecules on the Cr_2O_3 surface 282 (1993) 255

Inorganic compounds
J. Fan and M. Trenary, The influence of coadsorbates on the overlayer structure of PF_3 on Pt(111) 282 (1993) 76

Ion bombardment
W. Bock, H. Gnaser and H. Oechsner, Modification of crystalline semiconductor surfaces by low-energy Ar^+ bombardment: Si(111) and Ge(100) 282 (1993) 333

Ion implantation
D. Marton, K.J. Boyd, T.E. Lytle and J.W. Rabalais, Auger electron spectroscopy of krypton subplanted in graphite 282 (1993) 113

Ion scattering
Y. Serruys, T. Sakout and D. Gorse, Anodic oxidation of titanium in 1M H_2SO_4, studied by Rutherford backscattering 282 (1993) 279

Iron
M. Wuttig and J. Thomassen, Structure determination for Fe films on Cu(100) 282 (1993) 237
B. Sieben and H.P. Bonzel, Adsorption of H_2 and CO on Mn/Fe(110) surfaces 282 (1993) 246

Lanthanides
P. Dubot, E. Alleno, M.-G. Barthés-Labrousse, C. Binns, C. Nicklin, C. Norris and D. Ravot, Electronic properties of low-dimensional Sm films adsorbed on Cr(211) and Cr(110) 282 (1993) 1

Lead
H. Nagayoshi, Theoretical study of the electronic structure of the Si(111)-$\sqrt{3} \times \sqrt{3}$:Sb surface 282 (1993) 163

Low energy electron diffraction
R.S. Saiki, A.P. Kaduwela, M. Sagurton, J. Osterwalder, D.J. Friedman, C.S. Fadley and C.R. Brundle, X-ray photoelectron diffraction and low-energy electron diffraction study of the interaction of oxygen with the Ni(001) surface: $c(2 \times 2)$ to saturated oxide 282 (1993) 33
W.-D. Wang, N.J. Wu, P.A. Thiel and M.C. Tringides, Epitaxial growth in a strained system: Ni(100)–O(7×7) 282 (1993) 229
M. Wuttig and J. Thomassen, Structure determination for Fe films on Cu(100) 282 (1993) 237
W. Bock, H. Gnaser and H. Oechsner, Modification of crystalline semiconductor surfaces by low-energy Ar^+ bombardment: Si(111) and Ge(100) 282 (1993) 333
J.C. Le Bossé, G. Hansali, J. Lopez, G. Wiatrowski and I. Zasada,Site occupancy pair correlation functions and structure factors of partially ordered overlayers. II. Application to O/Ni(100) 282 (1993) 389

Magnesium oxide
C. Girardet and P.N.M. Hoang, Dynamics of a frustrated rare gas monolayer adsorbed on a corrugated substrate: resonance and hybridization of the dispersion curves of Ar on MgO(100) 282 (1993) 288

Manganese
B. Sieben and H.P. Bonzel, Adsorption of H_2 and CO on Mn/Fe(110) surfaces 282 (1993) 246

Methanol
J.E. Whitten, C.E. Young, M.J. Pellin, D.M. Gruen and P.L. Jones, Direct detection of a metal desorption channel: electron-stimulated desorption of aluminum from methanol-dosed Al(111) 282 (1993) 97

Molybdenum
X. Xu and D.W. Goodman, The preparation and characterization of ultra-thin silicon dioxide films on a Mo(110) surface 282 (1993) 323

Nickel
R.S. Saiki, A.P. Kaduwela, M. Sagurton, J. Osterwalder, D.J. Friedman, C.S. Fadley and C.R. Brundle, X-ray photoelectron diffraction and low-energy electron diffraction study of the interaction of oxygen with the Ni(001) surface: c(2 × 2) to saturated oxide 282 (1993) 33
L.S. Caputi, R.G. Agostino, A. Amoddeo, E. Colavita and A. Santaniello, X-ray photoelectron diffraction study of CO- and NO-saturated Ni(111) 282 (1993) 62
W.-D. Wang, N.J. Wu, P.A. Thiel and M.C. Tringides, Epitaxial growth in a strained system: Ni(100)–O(7 × 7) 282 (1993) 229
J.C. Le Bossé, G. Hansali, J. Lopez, G. Wiatrowski and I. Zasada,Site occupancy pair correlation functions and structure factors of partially ordered overlayers. II. Application to O/Ni(100) 282 (1993) 389

Nitric oxide
L.S. Caputi, R.G. Agostino, A. Amoddeo, E. Colavita and A. Santaniello, X-ray photoelectron diffraction study of CO- and NO-saturated Ni(111) 282 (1993) 62
S. Sugai, K. Takeuchi, T. Ban, H. Miki, K. Kawasaki and T. Kioka, Adsorption and dissociation of NO on Pt(100) and (310) studied by AES, UPS and XPS 282 (1993) 67

Noble gases
J. Fan and M. Trenary, The influence of coadsorbates on the overlayer structure of PF_3 on Pt(111) 282 (1993) 76
C. Girardet and P.N.M. Hoang, Dynamics of a frustrated rare gas monolayer adsorbed on a corrugated substrate: resonance and hybridization of the dispersion curves of Ar on MgO(100) 282 (1993) 288

Organic substances
I. Pápai, J. Ushio and D.R. Salahub, Chemisorption of formate and acetate on cluster models of Rh and bimetallic RhSn clusters 282 (1993) 262

Oxidation
Y. Serruys, T. Sakout and D. Gorse, Anodic oxidation of titanium in 1M H_2SO_4, studied by Rutherford backscattering 282 (1993) 279

Oxides
S. Kittaka, T. Sasaki, N. Fukuhara and H. Kato, Fourier transform infrared spectroscopy of H_2O molecules on the Cr_2O_3 surface 282 (1993) 255

Oxygen
S. Surnev, Interaction of oxygen with a Ge-covered Si(100) surface 282 (1993) 10
R.S. Saiki, A.P. Kaduwela, M. Sagurton, J. Osterwalder, D.J. Friedman, C.S. Fadley and C.R. Brundle, X-ray photoelectron diffraction and low-energy electron diffraction study of the interaction of oxygen with the Ni(001) surface: c(2 × 2) to saturated oxide 282 (1993) 33
B. Hellsing, Direct mechanism for photoinduced desorption and dissociation of O_2 on Pt(111) 282 (1993) 216

W.-D. Wang, N.J. Wu, P.A. Thiel and M.C. Tringides, Epitaxial growth in a strained system: Ni(100)–O(7 × 7) 282 (1993) 229
A. Mesarwi and A. Ignatiev, Interaction of Y overlayers with the GaAs(100) surface and oxidation of the Y/GaAs interface 282 (1993) 371
J.C. Le Bossé, G. Hansali, J. Lopez, G. Wiatrowski and I. Zasada,Site occupancy pair correlation functions and structure factors of partially ordered overlayers. II. Application to O/Ni(100) 282 (1993) 389

Photodesorption
B. Hellsing, Direct mechanism for photoinduced desorption and dissociation of O_2 on Pt(111) 282 (1993) 216
M.A. Schildbach and A.V. Hamza, Clean and water-covered sapphire ($1\bar{1}02$) surfaces: structure and laser-induced desorption 282 (1993) 306

Photoelectron spectroscopy
P. Dubot, E. Alleno, M.-G. Barthés-Labrousse, C. Binns, C. Nicklin, C. Norris and D. Ravot, Electronic properties of low-dimensional Sm films adsorbed on Cr(211) and Cr(110) 282 (1993) 1
R.S. Saiki, A.P. Kaduwela, M. Sagurton, J. Osterwalder, D.J. Friedman, C.S. Fadley and C.R. Brundle, X-ray photoelectron diffraction and low-energy electron diffraction study of the interaction of oxygen with the Ni(001) surface: c(2 × 2) to saturated oxide 282 (1993) 33
L.S. Caputi, R.G. Agostino, A. Amoddeo, E. Colavita and A. Santaniello, X-ray photoelectron diffraction study of CO- and NO-saturated Ni(111) 282 (1993) 62
S. Sugai, K. Takeuchi, T. Ban, H. Miki, K. Kawasaki and T. Kioka, Adsorption and dissociation of NO on Pt(100) and (310) studied by AES, UPS and XPS 282 (1993) 67
W.J. Wytenburg, R.M. Ormerod and R.M. Lambert, Growth and stability of ultra-thin aluminium films on Ag(110) and Ag(111) 282 (1993) 205
B. Sieben and H.P. Bonzel, Adsorption of H_2 and CO on Mn/Fe(110) surfaces 282 (1993) 246
A. Mesarwi and A. Ignatiev, Interaction of Y overlayers with the GaAs(100) surface and oxidation of the Y/GaAs interface 282 (1993) 371

Photon emission
R. Persaud and R.H. Prince, An inverse photoemission study of CO overlayers on Ru(0001) 282 (1993) 91

Platinum
S. Sugai, K. Takeuchi, T. Ban, H. Miki, K. Kawasaki and T. Kioka, Adsorption and dissociation of NO on Pt(100) and (310) studied by AES, UPS and XPS 282 (1993) 67
J. Fan and M. Trenary, The influence of coadsorbates on the overlayer structure of PF_3 on Pt(111) 282 (1993) 76
U. Bardi, A. Atrei, B. Cortigiani, G. Rovida and M. Torrini, X-ray photoelectron diffraction study of an oxidized Pt–Co(001) alloy surface: evidence for atomic scale rippling of the CoO overlayer 282 (1993) L365
B. Hellsing, Direct mechanism for photoinduced desorption and dissociation of O_2 on Pt(111) 282 (1993) 216

Rhodium
I. Pápai, J. Ushio and D.R. Salahub, Chemisorption of formate and acetate on cluster models of Rh and bimetallic RhSn clusters 282 (1993) 262

A.F. Bellman, D. Cvetko, A. Morgante, M. Polli, F. Tommasini, V.R. Dhanak, A. Lausi, K.C. Prince, R. Rosei, P. Cortona and M.G. Dondi, He scattering from Rh(110) 282 (1993) 273

Ruthenium

R. Persaud and R.H. Prince, An inverse photoemission study of CO overlayers on Ru(0001) 282 (1993) 91

Silicides

S. Itoh and T. Fujiwara, Surface electronic structures of refractory-metal disilicides 282 (1993) 122

Silicon

S. Surnev, Interaction of oxygen with a Ge-covered Si(100) surface 282 (1993) 10

T. Takahashi and S. Nakatani, Refinement of the Si(111)$\sqrt{3} \times \sqrt{3}$–Ag structure by surface X-ray diffraction 282 (1993) 17

T. Uchiyama and M. Tsukada, Step-induced state of a Si(001) reconstructed surface 282 (1993) 152

H. Nagayoshi, Theoretical study of the electronic structure of the Si(111)-$\sqrt{3} \times \sqrt{3}$: Sb surface 282 (1993) 163

X.M. Zheng and P.V. Smith, Hydrogen chemisorption on the Si(111) surface 282 (1993) 173

W. Bock, H. Gnaser and H. Oechsner, Modification of crystalline semiconductor surfaces by low-energy Ar^+ bombardment: Si(111) and Ge(100) 282 (1993) 333

Silicon dioxide

X. Xu and D.W. Goodman, The preparation and characterization of ultra-thin silicon dioxide films on a Mo(110) surface 282 (1993) 323

Silver

T. Takahashi and S. Nakatani, Refinement of the Si(111)$\sqrt{3} \times \sqrt{3}$–Ag structure by surface X-ray diffraction 282 (1993) 17

P.J. Feibelman, Perturbation of surface plasmon dispersion by "extra" electrons near a surface 282 (1993) 129

W.J. Wytenburg, R.M. Ormerod and R.M. Lambert, Growth and stability of ultra-thin aluminium films on Ag(110) and Ag(111) 282 (1993) 205

Solid–electrolyte interface

J.M. Doña and J. González-Velasco, Erratum to "The dependence of the surface diffusion coefficients of gold atoms on the potential: its influence on reconstruction of metal lattices" [Surface Science 274 (1992) 205] 282 (1993) 202

Y. Serruys, T. Sakout and D. Gorse, Anodic oxidation of titanium in 1M H_2SO_4, studied by Rutherford backscattering 282 (1993) 279

Surface diffusion

J.M. Doña and J. González-Velasco, Erratum to "The dependence of the surface diffusion coefficients of gold atoms on the potential: its influence on reconstruction of metal lattices" [Surface Science 274 (1992) 205] 282 (1993) 202

Surface phonons and adsorbate vibrations

C. Girardet and P.N.M. Hoang, Dynamics of a frustrated rare gas monolayer adsorbed on a corrugated substrate: resonance and hybridization of the dispersion curves of Ar on MgO(100) 282 (1993) 288

Surface plasmons
P.J. Feibelman, Perturbation of surface plasmon dispersion by "extra" electrons near a surface 282 (1993) 129

Surface roughness
J.M. Doña and J. González-Velasco, Erratum to "The dependence of the surface diffusion coefficients of gold atoms on the potential: its influence on reconstruction of metal lattices" [Surface Science 274 (1992) 205] 282 (1993) 202

Surface states and interface states
S. Itoh and T. Fujiwara, Surface electronic structures of refractory-metal disilicides 282 (1993) 122

Surface structure, see also Low energy electron diffraction
T. Takahashi and S. Nakatani, Refinement of the Si(111)$\sqrt{3} \times \sqrt{3}$–Ag structure by surface X-ray diffraction 282 (1993) 17
H. Li and S.Y. Tong, Imaging atoms in surface dimers of GaAs(001)-c$(2 \times 8)/(2 \times 4)$ by electron-emission holography 282 (1993) 380
J.C. Le Bossé, G. Hansali, J. Lopez, G. Wiatrowski and I. Zasada,Site occupancy pair correlation functions and structure factors of partially ordered overlayers. II. Application to O/Ni(100) 282 (1993) 389

Surface thermodynamics
I.N. Yakovkin, Monte Carlo simulation of order–disorder transitions in linear structures of alkali and alkaline earth adsorbates 282 (1993) 195

Thermal desorption
S. Surnev, Interaction of oxygen with a Ge-covered Si(100) surface 282 (1993) 10
B. Sieben and H.P. Bonzel, Adsorption of H_2 and CO on Mn/Fe(110) surfaces 282 (1993) 246
M.A. Schildbach and A.V. Hamza, Clean and water-covered sapphire $(1\bar{1}02)$ surfaces: structure and laser-induced desorption 282 (1993) 306
X. Xu and D.W. Goodman, The preparation and characterization of ultra-thin silicon dioxide films on a Mo(110) surface 282 (1993) 323

Titanium
Y. Serruys, T. Sakout and D. Gorse, Anodic oxidation of titanium in 1M H_2SO_4, studied by Rutherford backscattering 282 (1993) 279

Tunneling
C. Girard, C. Joachim, C. Chavy and P. Sautet, The electric field under a STM tip apex: implications for adsorbate manipulation 282 (1993) 400

Water
S. Kittaka, T. Sasaki, N. Fukuhara and H. Kato, Fourier transform infrared spectroscopy of H_2O molecules on the Cr_2O_3 surface 282 (1993) 255
M.A. Schildbach and A.V. Hamza, Clean and water-covered sapphire $(1\bar{1}02)$ surfaces: structure and laser-induced desorption 282 (1993) 306

Work function
S. Surnev, Interaction of oxygen with a Ge-covered Si(100) surface 282 (1993) 10

X-ray diffraction

T. Takahashi and S. Nakatani, Refinement of the Si(111)$\sqrt{3} \times \sqrt{3}$–Ag structure by surface X-ray diffraction 282 (1993) 17

U. Bardi, A. Atrei, B. Cortigiani, G. Rovida and M. Torrini, X-ray photoelectron diffraction study of an oxidized Pt–Co(001) alloy surface: evidence for atomic scale rippling of the CoO overlayer 282 (1993) L365

X-ray scattering

T. Niwa, M. Sugiyama, T. Nakahata, O. Sakata and H. Hashizume, Structure of fluoride/GaAs(111) heteroepitaxial interfaces 282 (1993) 342

Yttrium

A. Mesarwi and A. Ignatiev, Interaction of Y overlayers with the GaAs(100) surface and oxidation of the Y/GaAs interface 282 (1993) 371